



Technical Meeting on Good Practices Associated with the Establishment of Radioactive Waste Inventories

Virtual Event

9–11 September 2025

Ref. No.: EVT2404742

Information Sheet

Introduction

To manage radioactive waste safely and effectively, a comprehensive waste management system must be in place. Key components include robust legal and regulatory frameworks, technical resources, and sufficient human and financial support. Proper planning of technical resources requires a thorough understanding of the waste, achieved through a detailed waste inventory. This inventory provides data on both current and projected waste from nuclear facilities and applications, taking into account its origin, location, generation rate, volume, and characteristics. Inventory applies to current and future radioactive waste generated from a wide range of nuclear activities, including uranium mining, nuclear fuel cycle facilities, nuclear research reactors and research centres, nuclear power plants, radioactive waste management facilities, medical isotope production facilities, industrial applications, and any other facilities that may generate radioactive waste or byproducts (as defined by the regulations in a Member State). Establishing and updating an inventory helps understand the waste that needs management, though data scope and detail may vary depending on the inventory's intended use. Member States often adopt different methods and assumptions for their inventories, which can lead to inconsistencies, such as underestimated or inaccurate figures, especially for historical waste. Uncertainties in future waste generation add further complexity. A streamlined methodology could improve inventory creation, making it more consistent yet adaptable across Member States. With an accurate estimate of current and future waste, planning for waste processing, storage, and disposal can be considered. This planning should consider both technical and non-technical factors, using “what if” scenarios to address potential variations in waste types and quantities.

Objectives

The purpose of the event is to facilitate and exchange good practices and experience related to the establishment and maintenance of radioactive waste inventories.

Target Audience

The meeting is intended for both regulators and operators who hold clear responsibilities within Member States for developing and planning the implementation of national waste management policies and strategies. Participants are expected to give brief presentations (following the structure outlined below) and to actively participate in the Q&A sessions.

Working Language(s)

English.

Expected Outputs

In this technical meeting, the IAEA aims to gather information on Member States' practices in establishing national inventories. The meeting will also collect examples to support the development of a dedicated publication, which will provide guidance and recommend methodologies for preparing national and local inventories of radioactive waste and planning its management.

Structure

The meeting will feature invited presentations on methodologies used to establish national inventories, along with presentations from participating Member States. Representatives from each Member State will be asked to provide brief information on the following topics:

- Background: General overview of nuclear activities within the Member State, including descriptions, maps, diagrams, etc., to convey the scope and extent of these activities.
- Waste Management Policy: Overview of the waste management policies in the Member State, specifying responsibilities for each aspect.
- Radioactive Waste Inventory Assessment Methodology: Description of the methodology used in the Member State for assessing and forecasting radioactive waste inventories and management requirements, with sufficient detail (including diagrams or text) to illustrate the key principles of the approach.
- References: Bibliographic references for any information sources cited in the above sections.

Participation and Registration

All persons wishing to participate in the event have to be designated by an IAEA Member State or should be members of organizations that have been invited to attend.

In order to be designated by an IAEA Member State or invited organization, participants are requested to submit their application via the InTouch+ platform (<https://intouchplus.iaea.org>) to the competent national authority (Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) or organization for onward transmission to the IAEA by **16 July 2025**, following the registration procedure in InTouch+:

1. Access the InTouch+ platform (<https://intouchplus.iaea.org>):
 - Persons with an existing NUCLEUS account can sign in to the platform with their username and password;
 - Persons without an existing NUCLEUS account can register [here](#).
2. Once signed in, prospective participants can use the InTouch+ platform to:
 - Complete or update their personal details under ‘Complete Profile’ and upload the relevant supporting documents;
 - Search for the relevant event under the ‘My Eligible Events’ tab;
 - Select the Member State or invited organization they want to represent from the drop-down menu entitled ‘Designating Authority’ (if an invited organization is not listed, please contact InTouchPlus.Contact-Point@iaea.org);
 - Based on the data input, the InTouch+ platform will automatically generate the Participation Form (Form A);
 - Submit their application.

Once submitted through the InTouch+ platform, the application, together with the auto-generated form(s), will be transmitted automatically to the required authority for approval. If approved, the application, together with the applicable form(s), will automatically be sent to the IAEA through the online platform.

For additional information on how to apply for an event, please refer to the [InTouch+ Help](#) page. Any other issues or queries related to InTouch+ can be sent to InTouchPlus.Contact-Point@iaea.org.

Selected participants will be informed in due course on the procedures to be followed with regard to administrative and technical matters.

Participants are hereby informed that the personal data they submit will be processed in line with the [Agency’s Personal Data and Privacy Policy](#) and is collected solely for the purpose(s) of reviewing and assessing the application and to complete logistical arrangements where required. The IAEA may also use the contact details of Applicants to inform them of the IAEA’s scientific and technical publications, or the latest employment opportunities and current open vacancies at the IAEA. These secondary purposes are consistent with the IAEA’s mandate. Further information can be found in the [Data Processing Notice](#) concerning IAEA InTouch+ platform.

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Subsequent correspondence on scientific matters should be sent to the Scientific Secretary/Secretaries and correspondence on other matters related to the event to the Administrative Secretary.

Event Web Page

Please visit the following IAEA web page regularly for new information regarding this event:

www.iaea.org/events/EVT2404742